Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/03/2017 11:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124910	-1	1.41	124775	1.40
Blue	F	SSC	125000	122877	-2	2.42	123326	2.23
Blue	E	FITC	23355	22498	-4	2.33	997	10.34
Blue	D	PE	28848	28430	-2	1.85	1021	9.90
Blue	B	PerCP-Cy5-5	47791	46447	-3	3.18	1332	16.93
Blue	A	PE-Cy7	41358	40408	-3	4.99	629	36.14
Red	C	APC	51316	50694	-2	2.82	2935	9.56
Red	A	APC-Cy7	53225	52368	-2	2.86	1080	11.26
Violet	B	V450	14473	13799	-5	5.67	659	9.94
Violet	A	V500	59973	58119	-4	5.51	2565	7.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19950	4.47	611	13	N/A	N/A	Pass
Blue	F	SSC	61220	1.48	541	7	N/A	N/A	Pass
Blue	E	FITC	114	39.20	545	1	0.0205	180	Pass
Blue	D	PE	224	29.48	541	3	0.1570	249	Pass
Blue	B	PerCP-Cy5-5	209	45.40	632	2	0.0101	113	Pass
Blue	A	PE-Cy7	70	118.06	684	3	0.0113	13	Pass
Red	C	APC	345	27.40	592	-2	0.0197	37	Pass
Red	A	APC-Cy7	118	41.34	574	-2	0.0056	1816	Pass
Violet	B	V450	80	44.64	469	-2	0.0486	2406	Pass
Violet	A	V500	188	25.28	500	-1	0.0145	1012	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.88	-31.15	0.87
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.31
Red	16.68	13.27 - 19.91	N/A	N/A	31.08	31.73	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10844

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments